INDEX

Antonia, R. A. *See* Kim & Antonia

Armi, L. & Williams, R. The hydraulics of a stratified fluid flowing through a contraction, 335–375

Badulin, S. I. & Shrira, V. I. On the irreversibility of internal wave dynamics due to wave trapping by mean flow inhomogeneities. Part 1. Local analysis, 21–53

Barrett, C. F. *See* Nalpanis, Hunt & Barrett

Belcher, S. E. & Hunt, J. C. R. Turbulent shear flow over slowly moving waves, 109–148

Benilov, E. S. Baroclinic instability of large-amplitude geostrophic flows, 501–514

Best, J. P. The formation of toroidal bubbles upon the collapse of transient cavities, 79–107

Bottaro, A. On longitudinal vortices in curved channel flow, 627–660

Brady, J. F. *See* Claeys & Brady

Chomaz, J.-M. *See* Monkewitz, Huerre & Chomaz

Claeys, I. L. & Brady, J. F. Suspensions of prolate spheroids in Stokes flow. Part 1. Dynamics of a finite number of particles in an unbounded fluid, 411–442

Claeys, I. L. & Brady, J. F. Suspensions of prolate spheroids in Stokes flow. Part 2. Statistically homogeneous dispersions, 443–477

Claeys, I. L. & Brady, J. F. Suspensions of prolate spheroids in Stokes flow. Part 3. Hydrodynamic transport properties of crystalline dispersions, 479–500

Didwania, A. K. *See* Goddard, Didwania & Wu

Evans, D. V. *See* Linton & Evans

Fitzgerald, S. D. *See* Woods & Fitzgerald

Goddard, J. D., Didwania, A. K. & Wu, C.-Y. The influence of swirl and confinement on the stability of counterflowing streams, 149–172

Graef, F. First-order resonance in the reflection of baroclinic Rossby waves, 515–532

Helfrich, K. R. & Pedlosky, J. Time-dependent isolated anomalies in zonal flows, 377–409

Hsiau, S. S. & Hunt, M. L. Shear-induced particle diffusion and longitudinal velocity fluctuations in a granular-flow mixing layer, 299–313

Huerre, P. *See* Monkewitz, Huerre & Chomaz

Hunt, J. C. R. *See* Belcher & Hunt; Nalpanis, Hunt & Barrett

Hunt, M. L. *See* Hsiau & Hunt

Johnson, E. R. & Page, M. A. Flow past a circular cylinder on a β-plane, 603–626

Kachanov, V. S., Ryzhov, O. S. & Smith, F. T. Formation of solitons in transitional boundary layers: theory and experiment, 273–297

Kim, J. & Antonia, R. A. Isotropy of the small scales of turbulence at low Reynolds number, 219–238

King, A. C. & Tuck, E. O. Thin liquid layers supported by steady air-flow surface traction, 709–718

Lee, S., Lele, S. K. & Moin, P. Direct numerical simulation of isotropic turbulence interacting with a weak shock wave, 533–562

Lele, S. K. *See* Lee, Lele & Moin

INDEX

Antonia, R. A. *See* Kim & Antonia

Armi, L. & Williams, R. The hydraulics of a stratified fluid flowing through a contraction, 335–375

Badulin, S. I. & Shrira, V. I. On the irreversibility of internal wave dynamics due to wave trapping by mean flow inhomogeneities. Part 1. Local analysis, 21–53

Barrett, C. F. *See* Nalpanis, Hunt & Barrett

Belcher, S. E. & Hunt, J. C. R. Turbulent shear flow over slowly moving waves, 109–148

Benilov, E. S. Baroclinic instability of large-amplitude geostrophic flows, 501–514

Best, J. P. The formation of toroidal bubbles upon the collapse of transient cavities, 79–107

Bottaro, A. On longitudinal vortices in curved channel flow, 627–660

Brady, J. F. *See* Claeys & Brady

Chomaz, J.-M. *See* Monkewitz, Huerre & Chomaz

Claeys, I. L. & Brady, J. F. Suspensions of prolate spheroids in Stokes flow. Part 1. Dynamics of a finite number of particles in an unbounded fluid, 411–442

Claeys, I. L. & Brady, J. F. Suspensions of prolate spheroids in Stokes flow. Part 2. Statistically homogeneous dispersions, 443–477

Claeys, I. L. & Brady, J. F. Suspensions of prolate spheroids in Stokes flow. Part 3. Hydrodynamic transport properties of crystalline dispersions, 479–500

Didwania, A. K. *See* Goddard, Didwania & Wu

Evans, D. V. *See* Linton & Evans

Fitzgerald, S. D. *See* Woods & Fitzgerald

Goddard, J. D., Didwania, A. K. & Wu, C.-Y. The influence of swirl and confinement on the stability of counterflowing streams, 149–172

Graef, F. First-order resonance in the reflection of baroclinic Rossby waves, 515–532

Helfrich, K. R. & Pedlosky, J. Time-dependent isolated anomalies in zonal flows, 377–409

Hsiau, S. S. & Hunt, M. L. Shear-induced particle diffusion and longitudinal velocity fluctuations in a granular-flow mixing layer, 299–313

Huerre, P. *See* Monkewitz, Huerre & Chomaz

Hunt, J. C. R. *See* Belcher & Hunt; Nalpanis, Hunt & Barrett

Hunt, M. L. *See* Hsiau & Hunt

Johnson, E. R. & Page, M. A. Flow past a circular cylinder on a β-plane, 603–626

Kachanov, V. S., Ryzhov, O. S. & Smith, F. T. Formation of solitons in transitional boundary layers: theory and experiment, 273–297

Kim, J. & Antonia, R. A. Isotropy of the small scales of turbulence at low Reynolds number, 219–238

King, A. C. & Tuck, E. O. Thin liquid layers supported by steady air-flow surface traction, 709–718

Lee, S., Lele, S. K. & Moin, P. Direct numerical simulation of isotropic turbulence interacting with a weak shock wave, 533–562

Lele, S. K. *See* Lee, Lele & Moin

Libchaber, A. *See* Moses, Zocchi & Libchaber

Linton, C. M. & Evans, D. V. The interaction of waves with a row of circular cylinders, 687–708

Liu, S. & Masliyah, J. H. Axially invariant laminar flow in helical pipes with a finite pitch, 315–353

Lotfy, A. & Rockwell, D. The near-wake of an oscillating trailing edge: mechanisms of periodic and aperiodic response, 173–201

Masliyah, J. H. *See* Liu & Masliyah

Mei, C. C. *See* Trulsen & Mei

Moin, P. *See* Lee, Lele & Moin

Monkewitz, P. A., Huerre, P. & Chomaz, J.-M. Global linear stability analysis of weakly non-parallel shear flows, 1–20

Moses, E., Zocchi, G. & Libchaber, A. An experimental study of laminar plumes, 581–601

Nalpanis, P., Hunt, J. C. R. & Barrett, C. F. Saltating particles over flat beds, 661–685

Page, M. A. *See* Johnson & Page

Parkinson, G. V. *See* Yeung & Parkinson

Pedlosky, J. *See* Helfrich & Pedlosky

Rockwell, D. *See* Lotfy & Rockwell

Ryzhov, O. S. *See* Kachanov, Ryzhov & Smith

Shrira, V. I. *See* Badulin & Shrira

Smith, F. T. *See* Kachanov, Ryzhov & Smith

Trulsen, K. & Mei, C. C. Double reflection of capillary/gravity waves by a non-uniform current: a boundary-layer theory, 239–271

Tuck, E. O. *See* King & Tuck

Wijngaarden, L. van. The mean rise velocity of pairwise-interacting bubbles in liquid, 55–78

Williams, R. *See* Armi & Williams

Woods, A. W. & Fitzgerald, S. D. The vaporization of a liquid front moving through a hot porous rock, 563–579

Wu, C.-Y. *See* Goddard, Didwania & Wu

Yeung, W. W. H. & Parkinson, G. V. A wake singularity potential flow model for airfoils experiencing trailing-edge stall, 203–218

Zocchi, G. *See* Moses, Zocchi & Libchaber